

Table S6: Comparative analysis of SOLiD and Illumina libraries:

Original work	Organism	Sample	Platform	Virus	number of reads			% mapped	21-nt reads
					Total	Post-filtering	Mapped against the virus		
Mueller et al	<i>Drosophila melanogaster</i>	S2 cells	illumina	VSV	5,347,026	5,116,387	46,538	0.909	37,472
		wildtype	illumina	VSV	6,597,381	6,294,884	6,707	0.106	4,897
		<i>Ago2</i> [414] mutants	illumina	VSV	7,159,317	6,895,521	598,799	8.684	440,689
Myles et al	<i>Aedes aegypti</i>	wildtype	illumina	SINV	4,376,164	4,034,966	581,211	14.40	486,730
This work	<i>Drosophila melanogaster</i>	wildtype	SOLiD	VSV	39,377,073	25,902,134	2,461	0.0095	1,891
		<i>R2D2</i> mutants	SOLiD	VSV	70,200,097	36,787,341	41,137	0.1118	27,106
		wildtype	SOLiD	SINV	96,488,223	66,619,853	3,544	0.0053	2,577
		<i>R2D2</i> mutants	SOLiD	SINV	90,177,938	62,472,641	21,377	0.0342	15,219